

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human Bcl9-2 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Bcl9-2 Met38-Val206 Accession # Q86UU0
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Bcl9-2 (B-cell lymphoma 9-like protein; also Bcl9L and B9L) is a 200-220 kDa transcriptional regulator that belongs to the Bcl9 family of proteins. It is expressed in multiple tissues, particularly breast, and serves to recruit Pygopus to the Wnt-pathway β -catenin-TCF complex in the nucleus. Bcl9-2 and Bcl9 are considered evolutionary duplicates of Legless that perform the same task with different regulation. Human Bcl9-2 is 1499 amino acids (aa) in length. It contains two Pro-rich regions (aa 280-493 and 891-1378). There are four potential alternate start sites at Met879, Met1000, Met708 and Met472. The last two start sites are accompanied by a deletion of aa 1241-1286, and a 62 aa substitution for the C-terminal 167 aa, respectively. Over aa 38-206, human Bcl9-2 is 94% aa identical to mouse Bcl9-2. Bcl9-2 has been identified as a phosphoprotein in several human cancer cell lines and mouse liver.

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